
**Polygonal taper interface with flange
contact surface —**

**Part 2:
Dimensions and designation of receivers**

Interfaces à cône polygonal avec face d'appui —

Partie 2: Dimensions et désignation des nez de broche



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

ISO 26623-2 was prepared by Technical Committee ISO/TC 29, *Small tools*.

ISO 26623 consists of the following parts, under the general title *Polygonal taper interface with flange contact surface*:

- Part 1: Dimensions and designation of shanks
- Part 2: Dimensions and designation of receivers

Introduction

The International Organization for Standardization (ISO) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning the modular taper with ball track system.

ISO takes no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured ISO that he/she is willing to waive the exercise of this patent right throughout the world. In this respect, the statement of the holder of this patent right is registered with ISO. Information may be obtained from:

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Polygonal taper interface with flange contact surface —

Part 2:

Dimensions and designation of receivers

1 Scope

This part of ISO 26623 specifies the dimensions for a polygonal taper interface with flange contact surface: polygon-receivers for automatic and manual tool exchange to be applied on machine tools (e.g. turning machines, drilling machines, milling machines and turn/milling centres, as well as grinding machines). A range of receiver sizes is specified.

The torque is transmitted by form lock (polygon).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

3 Dimensions

3.1 General

Tolerancing of linear and angular dimensions not specified shall be of tolerance class “m” in accordance with ISO 2768-1.

3.2 Polygon-receiver

The dimensions of polygon-receivers are shown in Figure 1 and given in Table 1.